

**CLAIMS:**

What is claimed is:

- 5    1.    A speech making improvement method using stored data,  
the data being audio and video data of participants at  
a conference, the method comprising the steps of:  
  
indicating an expression that may have been exhibited  
10    by the participants during the conference to search  
for;  
  
determining, using the stored data in conjunction with  
an automated facial decoding system, whether at least  
15    one participant exhibited the indicated expression; and  
  
analyzing the video data representing the at least one  
participant exhibiting the expression and the audio  
data representing what was being said when the at least  
20    one participant exhibited the expression to improve a  
speaker's speech making ability.
2.    The method of Claim 1 wherein the analyzing step  
includes the step of charting expressions exhibited by  
25    the at least one participant over time.
3.    The method of Claim 1 wherein the analyzing step  
includes the step of displaying a percentage of time  
the expression is exhibited by the at least one  
30    participant.

Docket No. AUS920030341US1

4. The method of Claim 1 wherein the analyzing step includes the step of displaying a percentage of participants who exhibited the expression.
- 5 5. The method of Claim 1 wherein the analyzing step includes the step of displaying a percentage of time participants exhibited an expression.
6. The method of Claim 1 wherein the step of determining  
10 includes the step of passing the data through a regional/cultural filter for filtering out the expression if it is a regionally/culturally based expression.
- 15 7. The method of Claim 1 wherein the determining step includes the step of passing the data through an individual filter for filtering out the expression if it is an expression particular to the participant.
- 20 8. The method of Claim 1 wherein the determining step includes the step of passing the data through an individual filter for filtering out the expression if it is an expression particular to the participant.
- 25 9. A computer program product on a computer readable medium for improving speeches using stored data, the data being audio and video data of participants at a conference, the computer program product comprising:  
30 code means for enabling a user to indicate an expression that may have been exhibited by the participants during the conference to search for;

Docket No. AUS920030341US1

5           code means for determining, using the stored data in  
          conjunction with an automated facial decoding system,  
          whether at least one participant exhibited the  
          indicated expression; and

10           code means for analyzing the video data representing  
          the at least one participant exhibiting the expression  
          and the audio data representing what was being said  
          when the at least one participant exhibited the  
          expression to improve a speaker's speech making  
          ability.

15       10. The computer program product of Claim 9 wherein the  
          code means for analyzing includes code means for  
          charting expressions exhibited by the at least one  
          participant over time.

20       11. The computer program product of Claim 9 wherein the  
          analyzing code means includes code means for displaying  
          a percentage of time the expression is exhibited by the  
          at least one participant.

25       12. The computer program product of Claim 9 wherein the  
          analyzing code means includes code means for displaying  
          a percentage of participants who exhibited the  
          expression.

30       13. The computer program product of Claim 9 wherein the  
          analyzing code means includes code means for displaying  
          a percentage of time participants exhibited an  
          expression.

Docket No. AUS920030341US1

14. The computer program product of Claim 9 wherein the  
determining code means includes code means for passing  
the data through a regional/cultural filter for  
5 filtering out the expression if it is a  
regionally/culturally based expression.
15. The computer program product of Claim 9 wherein the  
determining code means includes code means for passing  
10 the data through an individual filter for filtering out  
the expression if it is an expression particular to the  
participant.
16. The computer program product of Claim 9 wherein the  
15 determining code means includes code means for passing  
the data through an individual filter for filtering out  
the expression if it is an expression particular to the  
participant.
- 20 17. A speech making improvement apparatus using stored  
data, the data being audio and video data of  
participants at a conference, the apparatus comprising:
- 25 means for indicating an expression that may have been  
exhibited by the participants during the conference to  
search for;
- 30 means for determining, using the stored data in  
conjunction with an automated facial decoding system,  
whether at least one participant exhibited the  
indicated expression; and

Docket No. AUS920030341US1

5 means for analyzing the video data representing the at least one participant exhibiting the expression and the audio data representing what was being said when the at least one participant exhibited the expression to improve a speaker's speech making ability.

10 18. The apparatus of Claim 17 wherein the analyzing means includes means for charting expressions exhibited by the at least one participant over time.

15 19. The apparatus of Claim 17 wherein the analyzing means includes means for displaying a percentage of time the expression is exhibited by the at least one participant.

20 20. The apparatus of Claim 17 wherein the analyzing means includes means for displaying a percentage of participants who exhibited the expression.

25 21. The apparatus of Claim 17 wherein the analyzing means includes means for displaying a percentage of time participants exhibited an expression.

30 22. The apparatus of Claim 17 wherein determining means includes means for passing the data through a regional/cultural filter for filtering out the expression if it is a regionally/culturally based expression.

23. The apparatus of Claim 17 wherein the determining means includes means for passing the data through an

Docket No. AUS920030341US1

individual filter for filtering out the expression if it is an expression particular to the participant.

24. The apparatus of Claim 17 wherein the determining means  
5 includes means for passing the data through an individual filter for filtering out the expression if it is an expression particular to the participant.

25. A speech making improvement system using stored data,  
10 the data being audio and video data of participants at a conference, the system comprising:

at least one storage device for storing code data; and

15 at least one processor for processing the code data to enable a user to indicate an expression that may have been exhibited by the participants during the conference to search for, to determine, using the stored data in conjunction with an automated facial  
20 decoding system, whether at least one participant exhibited the indicated expression, and to analyze the video data representing the at least one participant exhibiting the expression and the audio data representing what was being said when the at least one  
25 participant exhibited the expression to improve a speaker's speech making ability.

26. The system of Claim 25 wherein the code data is further  
30 processed to chart expressions exhibited by the at least one participant over time.

Docket No. AUS920030341US1

27. The system of Claim 25 wherein the code data is further processed to display a percentage of time the expression is exhibited by the at least one participant.

5

28. The system of Claim 25 wherein the code data is further processed to display a percentage of participants who exhibited the expression.

10 29. The system of Claim 25 wherein the code data is further processed to display a percentage of time participants exhibited an expression.

15 30. The system of Claim 25 wherein the code data is further processed to pass the data through a regional/cultural filter for filtering out the expression if it is a regionally/culturally based expression.